



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: T-4358

TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2017-04-29-03 **Date:** 04-05-2017

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements & Construction of Drainage works old post office road at Dasarahalli in ward no.15, Dasarahalli Sub Division.

Agency : Sri.Ramachandra, No.78, 5th main, 3rd cross, MEI layout Bengaluru-73

Customer's Reference : EE/DD/WO/45/17-18

Source of Sample : Sample supplied by Agency

Sample condition : Satisfactory

Date of Receipt : 29-04-17

Sample ID No : 2017-04-29-03-02(b)

Sample Type : 40mm down size coarse aggregate

Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2011
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
IS 2386 Part 4: Mechanical Properties

Date of test : 29-04-17

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	398	398	2.7	97.3	90-100
3	20 mm	5380	5778	38.5	61.5	30-70
4	10 mm	4789	10567	70.4	29.6	10-35
5	4.75 mm	3970	14537	96.9	3.1	0-5
6	Pan	463	15000	100.0	0	---

Page 1/2



M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3



Certificate No.: T- 4358

TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2017-04-29-03
Sample ID No : 2017-04-29-03-02(b)

Date: 04-05-2017

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	13.2	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.5	
3	Specific Gravity	2.62	—
4	Bulk Density(Loose) (Kg/l)	1.49	—
5	Bulk Density(Compacted) (Kg/l)	1.53	—
6	Water Absorption(%)	0.22	—

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

This report without prior written approval should not be reproduced or published in full or part.

Samples will be disposed after 30 days from the date of issue of test certificate

Prepared by
Harshitha

FOR CIVIL Pro.

KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 2/2

****End of Report****

ಕಾರ್ತಿಕ ರೆಚನ್
ಕಾರ್ತಿಕ ರೆಚನ್
ಕಾರ್ತಿಕ ರೆಚನ್
ಕಾರ್ತಿಕ ರೆಚನ್



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: T- 4358

TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2017-04-29-03 Date: 04-05-2017

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements & Construction of Drainage works old post office road at Dasarahalli in ward no.15, Dasarahalli Sub Division.

Agency : Sri.Ramachandra, No.78, 5th main, 3rd cross, MEI layout Bengaluru-73

Customer Reference : EE/DD/WO/45/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 29-04-17

Sample ID No : 2017-04-29-03-02(a)

Sample Type/ Size : 20mm down size coarse aggregate

Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2011
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
IS 2386 Part 4: Mechanical Properties

Date of test : 29-04-17

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	280	280	5.6	94.4	90-100
3	10 mm	2308	2588	51.8	48.2	25-55
4	4.75 mm	2300	4888	97.8	2.2	0-10
5	Pan	112	5000	100	0	-

Page 1/2

RECHAN 6630@YAHOO.CO.IN
BANGALORE, KARNATAKA
INDIA



M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: T- 4358

TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2017-04-29-03
Sample ID No : 2017-04-29-03-02(a)

Date: 04-05-2017

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	12.6	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	10.4	
3	Specific Gravity	2.67	—
4	Bulk Density(Loose) (Kg/l)	1.54	—
5	Bulk Density(Compacted) (Kg/l)	1.58	—
6	Water Absorption(%)	0.17	—
7	Aggregate crushing Value(%)	24.4	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	22.6	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

Prepared by
Harshitha



FOR CIVIL Pro.
R. Karthik
R KARTHIK RECHAN
Authorized Signature
Quality Manager

Page 2/2

End of Report

ಕರ್ನಾಟಕ ರಾಜ್ಯ ಸಾರ್ವಜನಿಕ ಕಾರ್ಯದರ್ಶಿ
ಬೆಂಗಳೂರು, ಕೆ.ಆರ್.ನಗರ
ಬಾಗಲಕೋಟೆ, ಕೆ.ಆರ್.ನಗರ
ಬೆಂಗಳೂರು

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: T- 4358

TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2017-04-29-03 Date: 04-05-17

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements & Construction of Drainage works old post office road at Dasarahalli in ward no.15, Dasarahalli Sub Division.

Agency : Sri.Ramachandra, No.78, 5th main, 3rd cross, MEI layout Bengaluru-73

Customer's Reference : EE/DD/WO/45/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 29-04-17

Sample ID No : 2017-04-29-03-03

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption

Date of test : 29-04-17

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0	100	100	100	100	100
2	4.75 mm	85	85	8.5	91.5	90-100	90-100	90-100	95-100
3	2.36 mm	100	185	18.5	81.5	60-95	75-100	85-100	95-100
4	1.18 mm	230	415	41.5	58.5	30-70	55-90	75-100	90-100
5	600 micron	189	604	60.4	39.6	15-34	35-59	60-79	80-100
6	300 micron	160	764	76.4	23.6	5-20	8-30	12-40	15-50
7	150 micron	156	920	92	8.0	0-10	0-10	0-10	0-15
8	Pan	80	1000	100	0	---	---	---	---

Result : The tested Sample Conforms to Grading Zone II

Page 1/2



M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: T- 4358

TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2017-04-29-03

Date: 04-05-17

Sample ID No : 2017-04-29-03-03

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	2.35	—
2	Specific Gravity	2.57	—
3	Material finer than 75 micron	5.7	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

This report without prior written approval should not be reproduced or published in full or part.

Samples will be disposed after 30 days from the date of issue of test certificate

Prepared by

Harshitha

Handwritten signature

Handwritten signature
ಕರ್ನಾಟಕ ರಾಜ್ಯ ಸರ್ಕಾರದ
ಪ್ರಯೋಗಶಾಲೆ, ಬೆಂಗಳೂರು
ಪರೀಕ್ಷಾ ಕೇಂದ್ರ, ಕೆ.ಎಂ.ಎಂ.ಸಿ.
ಬೆಂಗಳೂರು

Page 2/2

****End of Report****



FOR CIVIL Pro.

Handwritten signature

R KARTHIK RECHAN

Authorized Signatory

Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL

GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: T-4358

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : CP-2017-04-29-03 Date: 03-05-2017
 Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
 Address : Dasarahalli Sub Division, BBMP, Bangalore.
 Project Name : Improvements & Construction of Drainage works old post office road at Dasarahalli in ward no.15, Dasarahalli Sub Division.
 Agency : Sri.Ramachandra, No.78, 5th main, 3rd cross, MEI layout Bengaluru-73
 Customer's Reference : EE/DD/WO/45/17-18
 Source of Sample : Sample supplied by Agency
 Sample Condition : Satisfactory
 Date of Receipt : 29-04-17
 Sample ID No : 2017-04-29-03-01
 Sample Type : Ultra Tech 53 grade
 Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification ,
 IS 4031 (Part 1,2 3,4,5, 6,11):1988
 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4
 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5
 IS 4031 Part 3, Determination of Soundness, Clause 5, Clause 6
 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5
 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5
 IS 4031 Part 11, DETERMINATION OF DENSITY , Clause 6
 Date of test : 02-05-2017 to 03-05-2017

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	3.1	—
2	Finess by Air permeability method (m ² /kg, Min)	287.5	225m ² /kg, Min
3	Density (gm/cc)	3.4	—
4	Standard Consistency (%)	28.0%	Not specified
5	Initial Setting time	185 minutes	Not less than 30 minutes
6	Final Setting time	260 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1mm	Not more than 10 mm

Note:

The results pertain to the samples received and tested.
 All information furnished by Customer/Representative
 Any correction in the report will make this report invalid
 This report without prior written approval should not be reproduced or published in full or part.
 Samples will be disposed after 30 days from the date of issue of test certificate

Prepared by
 Harshitha

Harshitha

Karthik Rechan



FOR CIVIL Pro.

Karthik Rechan
 KARTHIK RECHAN
 Authorized Signatory
 Quality Manager

Page 1/1

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
 GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: T- 4358

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : CP-2017-04-29-03 Date: 27-05-2017
Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address : Dasarahalli Sub Division, BBMP, Bangalore.
Project Name : Improvements & Construction of Drainage works old post office road at Dasarahalli in ward no.15, Dasarahalli Sub Division.
Agency : Sri.Ramachandra, No.78, 5th main, 3rd cross, MEI layout Bengaluru-73
Customer's Reference : EE/DD/WO/45/17-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 29-04-17
Sample ID No : 2017-04-29-03-01
Sample Type : Ultra Tech 53 grade
Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification ,
IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test : 02-05-2017 to 03-05-2017

Compressive Strength			
Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	29.5N/mm ²	Not less than 27 N/mm ²
2	7 Days	37.5N/mm ²	Not less than 37 N/mm ²
3	28 Days	54.5N/mm ²	Not less than 53 N/mm ²

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

Prepared by
Harshitha

FOR CIVIL Pro.



KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST RESULTS OF STEEL

Lab ID : CP-2017-05-04-01 Date: 06-05-17
 Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
 Address : Dasarahalli Sub Division, BBMP, Bangalore.
 Project Name : Improvements & Construction of Drainage works old post office road at Dasarahalli in ward no.15, Dasarahalli Sub Division.
 Agency : Sri.Ramachandra, No.78, 5th main, 3rd cross, MEI layout Bengaluru-73
 Customer's Reference : EE/DD/WO/45/17-18
 Source of Sample : Sample supplied by Agency
 Sample Condition : Satisfactory
 Date of Receipt : 04-05-17
 Sample ID No : 2017-05-04-01-01
 Sample Type : Sunvik Fe550
 Reference to BIS codes : IS 1786-2008
 Date of test: : 05-05-17

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample (kg/m)	Yield stress (N/mm ²)	Tensile strength (N/mm ²)	Elongation (%)
1	Sunvik Fe550	Fe550	8mm	0.392	560	587	18.0%

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Bend test	Rebend test
1	Sunvik Fe550	Fe550	8mm	Satisfactory	Satisfactory

Note:

The results pertain to the samples received and tested.
 All information furnished by Customer/Representative
 Any correction in the report will make this report invalid
 This report without prior written approval should not be reproduced or published in full or part.
 Samples will be disposed after 30 days from the date of issue of test certificate

Prepared By:
Harshitha

ಕರ್ನಾಟಕ ರಾಜ್ಯದ ಮಹಾನ್ಗಣಕ ಕಾರ್ಯದರ್ಶಿ
 ಬೆಂಗಳೂರು, ಕರ್ನಾಟಕ
 ಪುನಃ ಪರಿಶೀಲನೆ
 ಪುನಃ ಪರಿಶೀಲನೆ
 ಪುನಃ ಪರಿಶೀಲನೆ



FOR CIVIL Pro.
 R KARTHIK RECHAN
 Authorized Signatory
 Quality Manager

Page 1/1
 End of Report

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL
 GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST RESULTS OF STEEL

Lab ID : CP-2017-05-04-01 Date: 06-05-17
 Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
 Address : Dasarahalli Sub Division, BBMP, Bangalore.
 Project Name : Improvements & Construction of Drainage works old post office road at Dasarahalli in ward no.15, Dasarahalli Sub Division.
 Agency : Sri.Ramachandra, No.78, 5th main, 3rd cross, MEI layout Bengaluru-73
 Customer's Reference : EE/DD/WO/45/17-18
 Source of Sample : Sample supplied by Agency
 Sample Condition : Satisfactory
 Date of Receipt : 04-05-17
 Sample ID No : 2017-05-04-01-02
 Sample Type : Sunvik Fe550
 Reference to BIS codes : IS 1786-2008
 Date of test: : 05-05-17

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample (kg/m)	Yield stress (N/mm ²)	Tensile strength (N/mm ²)	Elongation (%)
1	Sunvik Fe550	Fe550	10mm	0.612	590	615	18.5%

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Bend test	Rebend test
1	Sunvik Fe550	Fe550	10mm	Satisfactory	Satisfactory

Note:

The results pertain to the samples received and tested.
 All information furnished by Customer/Representative
 Any correction in the report will make this report invalid
 This report without prior written approval should not be reproduced or published in full or part.
 Samples will be disposed after 30 days from the date of issue of test certificate

Prepared By:
Harshitha

ಕರ್ನಾಟಕ ರಾಜ್ಯ ಸಾರ್ವಜನಿಕ ಕಟ್ಟಡಾಧಿಕಾರಿ
 ಹೆ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
 ಬಾಗಲೂರು, ಕೆ.ಆರ್.ನಗರ
 ಬೆಂಗಳೂರು
 Page 1/1
 End of Report



FOR CIVIL Pro.

R. KARTHIK RECHAN
 Authorized Signatory
 Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
 GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST RESULTS OF STEEL

Lab ID : CP-2017-05-04-01 Date: 06-05-17
 Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
 Address : Dasarahalli Sub Division, BBMP, Bangalore.
 Project Name : Improvements & Construction of Drainage works old post office road at Dasarahalli in ward no.15, Dasarahalli Sub Division.
 Agency : Sri.Ramachandra, No.78, 5th main, 3rd cross, MEI layout Bengaluru-73
 Customer's Reference : EE/DD/WO/45/17-18
 Source of Sample : Sample supplied by Agency
 Sample Condition : Satisfactory
 Date of Receipt : 04-05-17
 Sample ID No : 2017-05-04-01-03
 Sample Type : Sunvik Fe550
 Reference to BIS codes : IS 1786-2008
 Date of test: : 05-05-17

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample (kg/m)	Yield stress (N/mm ²)	Tensile strength (N/mm ²)	Elongation (%)
1	Sunvik Fe550	Fe550	12mm	0.888	620	668	20.0%

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Bend test	Rebend test
1	Sunvik Fe550	Fe550	12mm	Satisfactory	Satisfactory

Note:

The results pertain to the samples received and tested.
 All information furnished by Customer/Representative
 Any correction in the report will make this report invalid
 This report without prior written approval should not be reproduced or published in full or part.
 Samples will be disposed after 30 days from the date of issue of test certificate

Prepared By:
Harshitha

Harshitha

ಕರ್ತೃಕೃತ ಕಾರ್ಯದ ಮೇಲೆ ಪ್ರತಿಪಾದಿಸಲಾಗಿದೆ
ಪ್ರ.ರಾಸರವರು, ಅಧ್ಯಕ್ಷರು
ದಾಖಲಾಗಿದೆ, ಪರಿಶೀಲಿಸಿ

Page 1/1
End of Report



FOR CIVIL Pro.

R. Karthik Rechan
R. KARTHIK RECHAN
 Authorized Signatory
 Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
 GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: T- 4358

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2017-05-13-03 **Date:** 17-05-17

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements & Construction of Drainage works old post office road at Dasarahalli in ward no.15, Dasarahalli Sub Division.

Agency : Sri.Ramachandra, No.78, 5th main, 3rd cross, MEI layout Bengaluru-73

Customer's Reference : EE/DD/WO/45/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 13-05-17

Sample ID No : 2017-05-13-03-01

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/05/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	Drain Concrete	M20	10/05/2017	17/05/2017	150.18 X 150.14 X 150.19	22548	8.340	403.6	17.9	18.3
2	Drain Concrete	M20	10/05/2017	17/05/2017	150.44 X 150.42 X 150.40	22629	8.440	416.4	18.4	
3	Drain Concrete	M20	10/05/2017	17/05/2017	150.22 X 150.24 X 150.21	22569	8.480	422.0	18.7	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

Prepared by
Harsitha

(Signature)

(Signature)
ಕರ್ನಾಟಕ ರಾಜ್ಯ ಸಾರ್ವಜನಿಕ ಅಭಿವೃದ್ಧಿ ಇಲಾಖೆ
ಬಿ.ದಾಸರಾಜ್, ರಾಜಕ-ವಿಭಾಗ
ಬಾಗಲಕೋಟೆ, ಕೆ.ಎಂ.ಎಂ
ಬೆಂಗಳೂರು
Page 1/1

****End of Report****



FOR CIVIL Pro.

(Signature)
R/KARTHIK RECHAN
Authorized Signatory
Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: T-4358

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2017-05-13-03 **Date:** 07-06-17

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements & Construction of Drainage works old post office road at Dasarahalli in ward no.15, Dasarahalli Sub Division.

Agency : Sri.Ramachandra, No.78, 5th main, 3rd cross, MEI layout Bengaluru-73

Customer's Reference : EE/DD/WO/45/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 13-05-17

Sample ID No : 2017-05-13-03-02

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 07/06/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Drain Concrete	M20	10/05/2017	07/06/2017	150.04 X 150.13 X 150.11	22526	8.280	522.6	23.2	23.2
2	Drain Concrete	M20	10/05/2017	07/06/2017	150.33 X 150.32 X 150.19	22598	8.330	517.5	22.9	
3	Drain Concrete	M20	10/05/2017	07/06/2017	150.22 X 150.20 X 150.21	22563	8.420	528.0	23.4	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

Prepared by
Harsitha

[Signature]

[Signature]
ಕರ್ನಾಟಕ ಸಾರ್ವಜನಿಕ ಕಟ್ಟಡಾಧಿಕಾರಿ
ಬಿ.ದಾಸರಾಜ್ ರಾಜ-ಎಂ.ಎಸ್
ದಾಸರಾಜ್, ಕೆ.ಎಂ.ಎಂ

Page 1/1

****End of Report****

FOR CIVIL Pro.



[Signature]
R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST REPORT OF PRECAST COVER SLAB

Lab ID : CP-2017-05-04-01 Date: 08-05-17

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements & Construction of Drainage works old post office road at Dasarahalli in ward no.15, Dasarahalli Sub Division.

Agency : Sri.Ramachandra, No.78, 5th main, 3rd cross, MEI layout Bengaluru-73

Customer's Reference : EE/DD/WO/45/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 04-05-17

Sample ID No : 2017-05-04-01-04

Sample Type /Size : Precast Cover Slab

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete

Date of test : 04/05/2017

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(mm)	(Sq.mm)	(KN)	(N/mm ²)	(N/mm ²)	(N/mm ²)
1	Cover Slab-1	75.50	100.48	1.116	4476	78.9	17.6	16.4	20.5
2	Cover Slab-2	75.46	100.50	1.122	4471	79.3	17.7	16.5	20.6
3	Cover Slab-3	75.48	100.47	1.118	4474	82.5	18.4	17.2	21.4

Note:

The results pertain to the samples received and tested.
All information furnished by the Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

Prepared by

Harshitha

Harshitha

Signature
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ಟಿ.ರಾಸರತ್ನ ಅಹಲ್-ಇನ್ಛಾ
ದಾಗಲೂರಿಂಗಿ, ಬಿಜಿಎಂಸಿ
ಬೆಂಗಳೂರು
Page 1/1

****End of Report****



FOR CIVIL Pro.

Signature
KARTHIK RECHAN
Authorized Signatory
Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: T-4358

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2017-05-17-03 Date: 19-05-17

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements & Construction of Drainage works old post office road at Dasarahalli in ward no.15, Dasarahalli Sub Division.

Agency : Sri.Ramachandra, No.78, 5th main, 3rd cross, MEI layout Bengaluru-73

Customer's Reference : EE/DD/WO/45/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 17-05-17

Sample ID No : 2017-05-17-03-01

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 19/05/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Drain Concrete	M20	12/05/2017	19/05/2017	150.29 X 150.21 X 150.11	22575	8.450	388.3	17.2	18.1
2	Drain Concrete	M20	12/05/2017	19/05/2017	150.24 X 150.19 X 150.13	22565	8.390	422.0	18.7	
3	Drain Concrete	M20	12/05/2017	19/05/2017	150.18 X 150.11 X 150.15	22544	8.480	414.8	18.4	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

Prepared by
Harsitha

[Signature]

[Signature]
ಕರ್ನಾಟಕ ರಾಜ್ಯಪಾಲಕ ಅಧೀನವಿರುವ
ಟಿ.ದಾಸರಾಜ್ ಉಪ-ವಿಭಾಗ
ವಾಗಲಗುಂಟೆ, ಬಿಜಿಎಂ
ಬೆಂಗಳೂರು
Page 1/1

****End of Report****



FOR CIVIL Pro.

[Signature]
R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: T- 4358

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2017-05-17-03 **Date:** 09-06-17

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements & Construction of Drainage works old post office road at Dasarahalli in ward no.15, Dasarahalli Sub Division.

Agency : Sri.Ramachandra, No.78, 5th main, 3rd cross, MEI layout Bengaluru-73

Customer's Reference : EE/DD/WO/45/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 17-05-17

Sample ID No : 2017-05-17-03-02

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 09/06/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Drain Concrete	M20	12/05/2017	09/06/2017	150.20 X 150.13 X 150.21	22550	8.560	505.1	22.4	22.6
2	Drain Concrete	M20	12/05/2017	09/06/2017	150.33 X 150.14 X 150.10	22571	8.430	516.9	22.9	
3	Drain Concrete	M20	12/05/2017	09/06/2017	150.15 X 150.21 X 150.18	22554	8.398	509.7	22.6	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

Prepared by

Harsitha

[Signature]

[Signature]
ಕರ್ನಾಟಕ ರಾಜ್ಯದ ಮಹಾನ್ಗಣಕ
ಮ.ರಾಜ್ಯದ ಮಹಾನ್ಗಣಕ
ಮಾಹಿತಿ, ಕರ್ನಾಟಕ
ಮಾಹಿತಿ

Page 1/1

****End of Report****



FOR CIVIL Pro.

[Signature]
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |